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(54) Title: SYSTEM AND METHOD FOR PROVIDING ADVANCED RESERVATIONS IN A COMPUTE ENVIRONMENT

(57) Abstract: A system and method are disclosed for dynamically reserving resources within a cluster environment. The method embodiment of the invention comprises receiving a request for resources in the cluster environment, monitoring events after receiving the request for resources and based on the monitored events, dynamically modifying at least one of the request for resources and the cluster environment.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/08298

A. CLASSIFICATION OF SUBJECT MATTER

IPC: G06F 15/173(2006.01)
G06F 15/167(2006.01),9/46(2006.01)

USPC: 709/224,226,217;719/318

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 709/224,226,217;719/318;709/200-204,217-222;

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
EAST, US-PAT, US-PUB, EPO, JPO

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2003/0233446 A1 (Earl) 18 DEC. 2003 (18.12.2003), figures 1-4, 8, abstract, paragraphs 5-11, 28-32, 60-62, 90.	1-6, 8-19, 21-47 7, 20
Y	US 6,496,866 B2 (Attanasio et al.), 17 DEC 2002, (17.12.2002), figures 1-6, col., 2, line 61 - col. 3, line 58	7, 20
X — Y	US 6,587,938 B1 (Eilert et al.) 1 JUL. 2003 (01.07.2003), figures 1A-3, 6-8, abstract, col., 2, lines 33 - 58, col., 6, lines 10 - 54, col., 9, lines 12 - 58.	1-6, 8-19, 21-47 7, 20
X, P	US 2004/0205101 A1 (Radhakrishnan) 14 OCT. 2004 (14.10.2004), figures 1-13, abstract, paragraphs 44, 54 - 59, 69, 70, 94.	1-47
X, E	US 6,985,937 (Keshav et al.) 10 JAN. 2006 (10.01.2006), figures 1-6, abstract, col., 3, line 35 - col., 4, line 64.	1-16, 24-47

☒ Further documents are listed in the continuation of Box C.

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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/US05/08298**C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	US 6,771,661 (Chawla et al.) 03 AUG. 2004 (01.08.2004), figures 1-4, abstract, col., 4, line 2 - col., 5, line 54.	1-28, 32-47